United States Department of Agriculture | Forest Service | FPM | 3620 Interstate 85, N.E. Doraville, Georgia 30340

Reply to: 3420 Detection

Date: September 18, 1984

Subject: Aerial Detection Survey (Report #84-3-16)

To: Distribution

Enclosed is a copy Aerial Detection Survey #84-3-16 "Aerial Detection Survey of Southern Pine Beetle Activity, Croatan National Forest, North Carolina". If you have any questions or desire additional information, contact Chuck Dull at the above address or telephone (404) 221-4796 or FTS 242-4796.

J. DENNY WARD
Supervisory Entomologist

Enclosure

Distribution:

Forest Supervisor, NFS in North Carolina
District Ranger, Croatan RD
Bob Kaylor, Croatan RD
Regional Forester (through FPM)
FPM R8 (2)
Alexandria FO (2)
Asheville FO (2)
Bill Hoffard, Asheville FO

FOREST PEST MANAGEMENT

Southern Region - Region 8

Report No. 84-3-16 Date: September 14, 1984

AERIAL DETECTION SURVEY OF SOUTHERN PINE BEETLE ACTIVITY,
CROATAN NATIONAL FOREST, NORTH CAROLINA

Land Ownership or Survey Area: Croatan National Forest

State: North Carolina

Area Within Survey Boundary: 310,000 acres

Date: September 5, 1984

Percent Coverage: 25 percent

Aircraft: Cessna 172

Crew: Bill Hoffard, Bob Kaylor and Chuck Dull

Report Prepared By: Chuck Dull

SURVEY OBJECTIVES

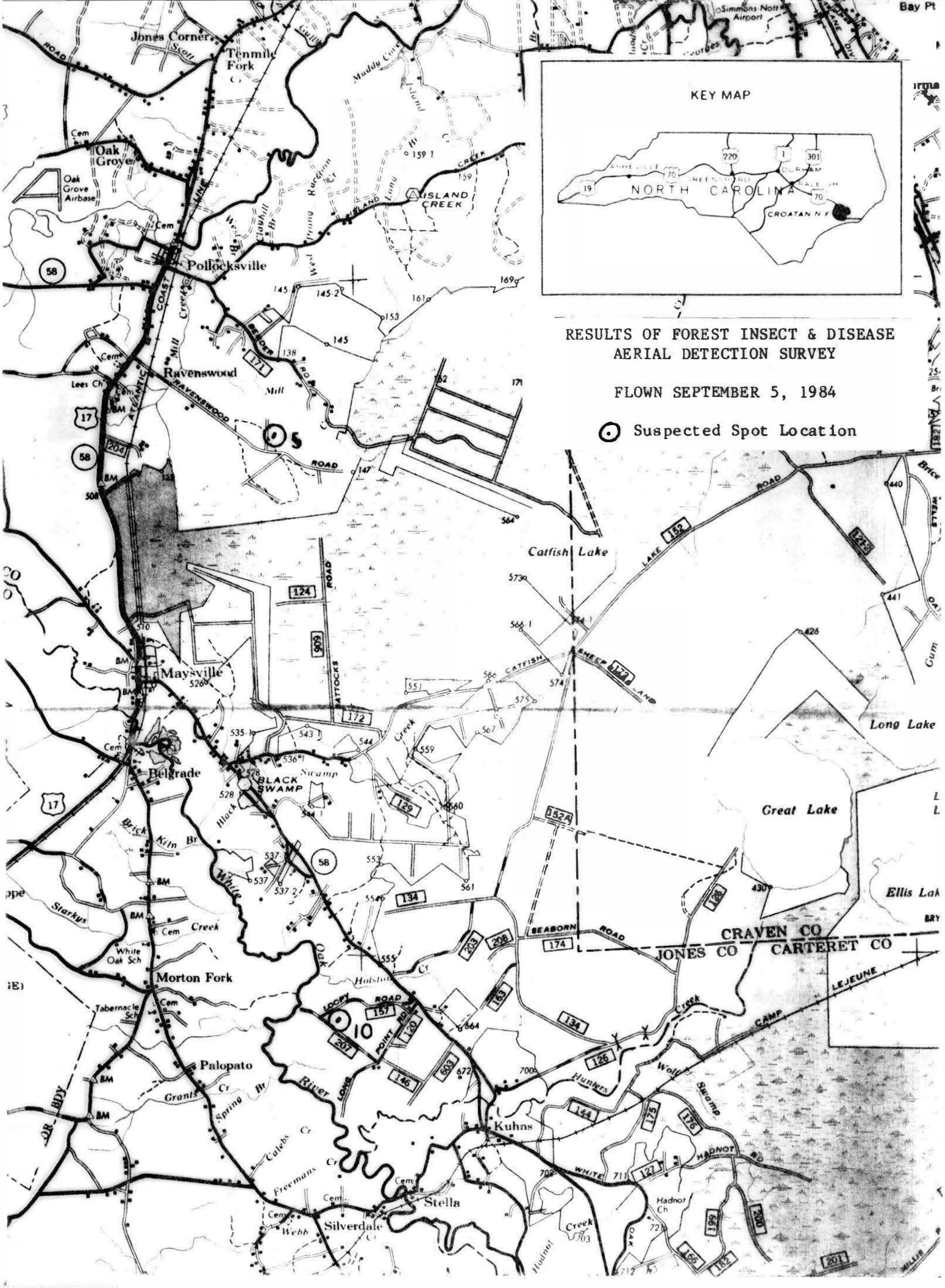
To detect the presence of forest insect and disease activity on the Croatan National Forest. Our primary concern was to determine if southern pine beetle activity could be observed during the aerial detection survey.

SURVEY RESULTS

Only two areas of red and fading pines suspected to be caused by pine bark beetles were observed. One spot contained an estimated ten trees, the other contained an estimated five trees. Locations of these two spots are shown on the attached map. Damage caused by other forest insect and disease agents were not observed.

CONCLUSIONS

Forest insect and disease activity is at a very low level on the Croatan National Forest. Southern pine beetle activity does not appear to be increasing within this area. National Forest personnel should continue their field surveillance activities. This would be especially important along new road construction which is prevalent within the National Forest.


KEY MAP
NORTH CAROLINA
RESULTS OF FOREST INSECT & DISEASE
AERIAL DETECTION SURVEY
FLOWN SEPTEMBER 5, 1984
Suspected Spot Location
Jones Corner
Tenmile Fork
Oak Grove
Oak Grove Airbase
Pollocksville
Ravenswood
Island Creek
Maysville
Belgrade
Black Swamp
Catfish Lake
Long Lake
Great Lake
Morton Fork
Palopato
Kuhns
Stella
Silverdale
Hadnot Ch
CRAVEN CO
JONES CO
CARTERET CO
Simmons-Nott Airport
Bay Pt